

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	7	(anastomosis and handle and actuat\$4 and control and ring).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 10:11
S1	954	(606/151).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 08:55
S2	9	("4881939"   "5226429"   "5681271"   "5870779"   "6077214"   "6193648"   "6230714"   "6308709"   "6425856").PN. OR ("6632239").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 08:31
S3	386	(606/157).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 16:14
S4	19	("20030083742" "20030233142" "20040127980" "20040153144" "20040172046" "20040176840" "4602911" "5201880" "5306296" "5522884" "5593424" "5674279" "5709695" "5961539" "6152144" "6187040" "6619291" "6709456" "6749630").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:01
S5	61	("3840018"   "4042979"   "4473928").PN. OR ("4602911").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:08
S6	666	(reduce\$3 or reduction) with (circumference or diameter or size) with (anatomic\$3 or vascular)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/11 10:10
S7	15	(reduce\$3 or reduction) with (circumference or diameter or size) with (anatomic\$3 or vascular) with (ring or band or annular or cuff)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:10
S8	24	(reduce\$3 or reduction or decreas\$3) with (circumference or diameter or size) with (anatomic\$3 or vascular) with (ring or band or annular or cuff)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:10
S9	42	("4164046"   "4217665"   "4275736"   "4489446"   "4637380"   "4676245"   "4823794"   "4917698"   "5011481"   "5041130"   "5061277"   "5064431"   "5089008"   "5104407"   "5163943"   "5201880"   "5219359"   "5258021"   "5263973"   "5306301"   "5366480"   "5468242"   "5549631").PN. OR ("5709695").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:12
S10	77	(623/2.36).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 09:15

## EAST Search History

S11	6	adjust with circumference with (orifice or lumen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:16
S12	108	adjust\$4 with circumference with (orifice or lumen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:18
S13	5782	adjust\$4 with (diameter of size) with (orifice or lumen)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:18
S14	746	adjust\$4 with (diameter of size) with (orifice or lumen) same (ring or band or cuff)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 09:18
S15	1	("6966875").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:56
S16	1	("6511490").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:56
S17	1	("6676674").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:57
S18	1	("6916326").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:57
S19	1	("5207694").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:58
S20	1	("5601604").PN.	USPAT; USOCR	OR	OFF	2005/12/07 10:58
S21	527	(lumen or orifice or vascula\$4) with constrict\$3 with (band or cuff or ring or annul\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 11:16
S24	10	(ring or band or annul\$3) with fasten with barb\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:41
S25	17	("20020032481"   "3686740"   "4506394"   "5370685"   "5478354"   "5695504"   "5716370"   "5797933"   "5855601"   "5868763"   "5957949"   "6312465"   "6458153"   "6503272"   "6524322"   "6660015").PN. OR ("6790229").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 11:18
S26	53009	worm adj gear	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:21
S27	85	S26 and engag\$4 with gear near1 head	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:48
S28	305	(606/228).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 14:48

## EAST Search History

S29	29	S28 and barb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:48
S30	138	("0709392"   "0733723"   "0789401"   "0816026"   "1142510"   "1321011"   "1728316"   "1886721"   "2201610"   "2232142"   "2254620"   "2421193"   "2472009"   "2684070"   "2779083"   "2817339"   "2910067"   "2988028"   "3068869"   "3068870"   "3123077"   "3166072"   "3209754"   "3214810"   "3221746"   "3234636"   "3273562"   "3352191"   "3378010"   "3385299"   "3494006"   "3525340"   "3527223"   "3586002"   "3608095"   "3608539"   "3683926"   "3716058"   "3825010"   "3981307"   "4069825"   "4073298"   "4259959"   "4317451"   "4428376"   "4430998"   "4434796"   "4454875"   "4467805"   "4505274"   "4510934"   "4531522"   "4548202"   "4610251"   "4635637"   "4637380"   "4653486"   "4669473"   "4676245"   "4719917"   "4776337"   "4841960"   "4873976"   "4887601"   "4976715"   "4994073"   "4997439"   "5002562"   "5007921"   "5026390"   "5047047"   "5053047"   "5084063"   "5102418"   "5123911"   "5123913"   "5192302"   "5207694"   "5222976"   "5246441"   "5258013"   "5269783"   "5292326"   "5320629"   "5342376"   "5425746"   "5425747"   "5450860"   "5500991"   "5533982"   "5546957"   "5584859"   "5683417"   "5702462"   "5716376"   "5722991"   "5931855"   "5984933"   "6012216"   "6056778"   "6083244"   "6163948"   "6241747"   "6270517").PN. OR ("6599310"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:53
S31	605	(606/232).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 14:53
S32	188	S31 and barb\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 14:58
S33	319	(606/127).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 14:58

## EAST Search History

S34	16	S33 and barb\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:02
S35	620	(606/200).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 15:02
S36	230	S35 and barb\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:05
S37	2	S35 and barb\$2 same (twist\$3 or rotat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:05
S38	322	(ring or band or cuff) with barb\$2 same (twist\$3 or rotat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:06
S39	167	(604/41).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 15:46
S40	56	(604/109).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 15:47
S41	633	(604/104).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 15:48
S42	53	S41 and barb\$2	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:55
S43	121	Hollow with tube with ring with (lumen or orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:56
S44	9	Hollow near2 tube near3 ring with (lumen or orifice)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:57
S45	282	hollow adj tube near3 ring	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 15:57
S46	647	(606/213).CCLS.	USPAT; USOCR	OR	OFF	2005/12/07 16:14
S47	136	S46 and barb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 16:15
S48	8	S46 and barb\$3 with (twist\$3 or rotat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 16:15
S49	1	("6846325").PN.	USPAT; USOCR	OR	OFF	2005/12/07 16:21
S50	0	("("3143742" "3996623" "4506394" "5843179" "6287339" "6419696" "6 846325").PN.").PN.	USPAT; USOCR	OR	OFF	2005/12/07 16:21

## EAST Search History

S51	8	("3143742" "3996623" "4506394" "5843179" "6287339" "6419696" "6846325").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 16:21
S52	5	("3996623"   "4506394"   "5843179"   "6287339"   "6419696").PN. OR ("6846325").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 16:22
S53	18	("6183512").PN. OR ("6419696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/07 16:50
S54	31	("1250153"   "20010049558"   "2667739"   "3746016"   "4042979"   "4290151"   "4489446"   "4602911"   "4917698"   "5064431"   "5163953"   "5201880"   "5450860"   "5535549"   "5593424"   "5593435"   "5607471"   "5716397"   "5824066"   "5843178"   "5855601"   "6019791"   "6183512"   "6187040"   "6210432"   "6217610"   "6402781"   "6416549").PN. OR ("6726716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 09:27
S55	1	("5,064,431").PN.	USPAT; USOCR	OR	OFF	2005/12/08 09:28
S56	39	("4042979"   "4290151"   "4489446").PN. OR ("5064431").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 09:47
S57	40	("4042979"   "4217665"   "4275736"   "4489446"   "4637380"   "4676245"   "4823794"   "4917698"   "5011481"   "5041130"   "5061277"   "5064431"   "5089008"   "5104407"   "5163943"   "5201880"   "5219359"   "5258021"   "5263973"   "5306301"   "5366480"   "5468242"   "5549631"   "5709695").PN. OR ("5961539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 09:51
S58	74	("3371352"   "3656185").PN. OR ("4042979").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:02
S60	4	(Angioplasty or cardiac) same (annular or ring) same (tube or channel) same (stiff\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:03
S61	1	(Angioplasty or cardiac) with (annular or ring) same (tube or channel) same (stiff\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:04
S62	7	(Angioplasty or cardiac) with (annular or ring) same (stiff\$4 or rigid\$3) same adjust\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:11

## EAST Search History

S63	1	("5,104,407").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:11
S64	47	(US-20040176840-\$ or US-20050149114-\$ or US-20040249453-\$ or US-20040148021-\$ or US-20040193261-\$ or US-20050197664-\$ or US-20040044406-\$).did. or (US-6776789-\$ or US-5771903-\$ or US-5741283-\$ or US-5620452-\$ or US-5449368-\$ or US-5152770-\$ or US-5074868-\$ or US-5961539-\$ or US-5674279-\$ or US-4602911-\$ or US-6964684-\$ or US-6726716-\$ or US-6217610-\$ or US-5709695-\$ or US-5061277-\$ or US-5011481-\$ or US-4917698-\$ or US-6719786-\$ or US-6709456-\$ or US-6524338-\$ or US-4042979-\$ or US-6966875-\$ or US-6916326-\$ or US-6676674-\$ or US-5207694-\$ or US-5601604-\$). did. or (US-6790229-\$ or US-6458153-\$ or US-6599310-\$ or US-6270517-\$ or US-5683417-\$ or US-6468290-\$ or US-6972025-\$ or US-6881218-\$ or US-6911035-\$ or US-5599265-\$ or US-3981049-\$ or US-6419696-\$ or US-5064431-\$ or US-5201880-\$).did.	US-PGPUB; USPAT	OR	ON	2005/12/08 10:31
S65	7	S64 and (stiff\$4 or rigid\$4) same adjust\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:36
S66	1	("4,489,446").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:34
S67	1	("4,042,979").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:35
S68	1	("4,602,911").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:35
S69	16886	(stiff\$4 or rigid\$4) same adjust\$4 with (annular or ring or cuff)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:36
S70	1890	(stiff\$4 or rigid\$4) same adjust\$4 with (size or circumference or diameter) with (annular or ring or cuff)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:37
S71	239	(stiff\$4 or rigid\$4) same adjust\$4 with (size or circumference or diameter) with (annular or ring or cuff) with tub\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:46

## EAST Search History

S72	1	("4,164,046").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:46
S73	66	("3508281"   "3534411"   "3656185"   "3714671"   "4042979"   "4055861").PN. OR ("4164046"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:51
S74	1	("3,656,185").PN.	USPAT; USOCR	OR	OFF	2005/12/08 10:51
S75	24	("4042979"   "4164046"   "4917698"   "5061277"   "5064431"   "5104407"   "5201880"   "5306296"   "5607471"   "5628790"   "5674279"   "5824066").PN. OR ("6187040").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 11:04
S76	42	("4164046"   "4217665"   "4275736"   "4489446"   "4637380"   "4676245"   "4823794"   "4917698"   "5011481"   "5041130"   "5061277"   "5064431"   "5089008"   "5104407"   "5163943"   "5201880"   "5219359"   "5258021"   "5263973"   "5306301"   "5366480"   "5468242"   "5549631").PN. OR ("5709695"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 15:37
S77	16	fasten\$3 same suture\$3 same grommet	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 15:38
S78	117	suture same grommet	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 15:39
S79	18	reduc\$4 with circumference same grommet	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:01
S80	929	anchor\$3 same (grommet or loop or tab) same suture	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:02
S81	956	anchor\$3 same (grommet or loop or tab) same suture\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:05
S82	32	anchor\$3 same (grommet) same suture\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:03
S83	233	anchor\$3 same (tab) same suture\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:09
S84	86	fasten\$3 same (tab) same suture\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 16:09

# EAST Search History

S85	896	("0179263"   "0709392"   "0720308"   "0733723"   "0789401"   "0816026"   "0819289"   "1142510"   "1250153"   "1321011"   "1472966"   "1705895"   "1728316"   "1756670"   "1886721"   "1965207"   "20010049558"   "20020032481"   "20020183835"   "20020183836"   "20020183837"   "20020183838"   "20020183841"   "20030139765"   "20030153945"   "20030163159"   "20030176888"   "20030199918"   "20030208227"   "2201610"   "2232142"   "2254620"   "2374541"   "2421193"   "2433555"   "2472009"   "2571461"   "2667739"   "2684070"   "2779083"   "2817339"   "2876514"   "2910067"   "2988028"   "3068869"   "3068870"   "3111945"   "3123077"   "3134152"   "3166072"   "3209754"   "3214810"   "3221746"   "3234636"   "3261062"   "3273562"   "3339247"   "3352191"   "3363628"   "3365728"   "3371352"   "3378010"   "3385299"   "3402436"   "3466671"   "3475793"   "3491376"   "3494006"   "3510918"   "3524202"   "3525340"   "3527223"   "3534411"   "3540431"   "3559652"   "3570497"   "3576054"   "3577601"   "3586002"   "3588963"   "3608095"   "3608539"   "3656185"   "3683926"   "3686740"   "3691567"   "3716058"   "3746016"   "3825010"   "3840018"   "3845772"   "3856016"   "3875928"   "3926193"   "3952747"   "3971384"   "3981307"   "3997923"   "4042979"   "4055861"   "4064881"   "4069825"   "4073298"   "4106129"   "4119091"   "4128100"   "4144046"   "4164046"   "4182339"   "4183102"   "4196496"   "4204283"   "4217665"   "4222126"   "4259753"   "4259959"   "4261244"   "4261342"   "4263680"   "4275736").PN. OR ("4290151"   "4290255"   "4306319"   "4307903"   "4317451"   "4339831"   "4345340"   "4399809"   "4414721"   "4416267"   "4425908"   "4428365"   "4428376"   "4430998"   "4434796"   "4451936"   "4454875"   "4467805"   "4473928"   "4476865"   "4477930"   "4477950"   "4480446"   "4494531"	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/19 16:13
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## EAST Search History

S86	18	CARTLEDGE-RICHARD-G\$.in. LEE-LEONARD-Y\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/20 09:10
S87	62	("20030050693" "20030074012" "20030093148" "20030199974" "20040019378" "20040030382" "20040088047" "20040111099" "20040148019" "20040148021" "20040153147" "20040181238" "20040193191" "20040249453" "20050060030" "20050065550" "20050070999" "20050119734" "20050119735" "20050131533" "20050149114" "5102417" "5411552" "5423851" "5713951" "5769812" "5814097" "5908435" "5972030" "5984959" "5989284" "6269819" "6355030" "6451054" "6464707" "6514265" "6524338" "6537314" "6551332" "6564805" "6607541" "6613059" "6619291" "6629534" "6641593" "6651671" "6689164" "6706065" "6716243" "6723038" "6767362" "6793673" "6797002" "6810882" "6824562" "6840246" "6872223" "6893459" "6908482" "6921407" "6926715" "6942694").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/20 09:34
S90	1	(circumference and adjust\$4 and fasten\$4 and tool and anatomic).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/20 09:35
S91	259	623/2.11	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 15:53
S92	109	623/2.37	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 11:26

## EAST Search History

S93	47	("3130418"   "4021863"   "4106129"   "4164046"   "4261342"   "4275469"   "4339831"   "4340977"   "4489446"   "4602911"   "4655773"   "4917698"   "4960424"   "5061277"   "5104407"   "5163955"   "5171252"   "5201880"   "5306296"   "5332402"   "5360444"   "5397351"   "5415667"   "5449384"   "5450860"   "5545214"   "5549665"   "5554184"   "5554185"   "5662704"   "5674279"   "5709695"   "5716397"   "5733331"   "5824065"   "5824066"   "5824067"   "5855601"   "5888240"   "5908450"   "5931868"   "6332893").PN. OR ("6797002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 16:01
S95	36	("1250153"   "20010049558"   "2667739"   "3746016"   "4042979"   "4290151"   "4489446"   "4602911"   "4917698"   "5064431"   "5163953"   "5201880"   "5450860"   "5535549"   "5593424"   "5593435"   "5607471"   "5716397"   "5824066"   "5843178"   "5855601"   "6019791"   "6183512"   "6187040"   "6210432"   "6217610"   "6402781"   "6416549").PN. OR ("6726716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 17:06
S96	22	("3546710"   "3574865"   "3625220"   "3691567"   "3996623"   "4009719"   "4084268"   "4172295"   "4233690"   "4290151"   "4388735"   "4665906"   "4907590"   "5061277"   "5064431"   "5104407"   "5290300"   "5571175").PN. OR ("5843178").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 17:08
S97	1	("5604431").PN.	USPAT; USOCR	OR	OFF	2006/10/25 10:33
S98	1	("5064431").PN.	USPAT; USOCR	OR	OFF	2006/10/25 10:37
S99	1	("6217620").PN.	USPAT; USOCR	OR	OFF	2006/10/25 10:37
S100	1	("6217610").PN.	USPAT; USOCR	OR	OFF	2006/10/25 10:37

## EAST Search History

S10 1	20	("20020032481"   "4491986"   "5061277"   "5104407"   "5163952"   "5163953"   "5593435"   "5840081"   "5855601"   "5888240"   "6033433"   "6042606"   "6077298"   "6224625"   "6283127"   "6458153"   "6602289").PN. OR ("6805711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 11:10
S10 2	147	spence-paul\$.in. ortiz-mark\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 11:19
S10 3	1	("6797002").PN.	USPAT; USOCR	OR	OFF	2006/10/25 11:19
S10 5	22	("3546710"   "3574865"   "3625220"   "3691567"   "3996623"   "4009719"   "4084268"   "4172295"   "4233690"   "4290151"   "4388735"   "4665906"   "4907590"   "5061277"   "5064431"   "5104407"   "5290300"   "5571175").PN. OR ("5843178"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 13:58
S10 6	19	("4042979"   "4350492"   "4491986"   "5104407"   "5584879"   "5716397"   "5824066"   "6092529"   "6102945"   "6174332"   "6183512"   "6187040"   "6217610").PN. OR ("6368348"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 14:02